

IN THE CLAIMS

Please amend the claims as follows:

1. (Cancelled) A self air bleeding fuel system, providing gravity priming of fuel feed pump.
2. (Cancelled) A fuel system comprising of, Fuel feed pump 3 below the fuel tank 1, Fuel filter 5 after the fuel feed pump 3, fuel injection pump 8 after the fuel filter 5, injectors taking fuel from fuel injection pump 8, a banjo bolt 7 fitted on the fuel injection pump 8 containing a pressure regulating valve within it, the valve seat of the said valve contains a opening on it, a fuel return line 12 from the said banjo bolt 7 to fuel tank - in sequence.
3. (Cancelled) A fuel system as defined in 2 above comprising of banjo bolt 7 mounted on the said fuel injection pump 8, containing a pressure valve within it. The valve seat of the said pressure valve containing an opening on it to allow the entrapped air to escape from the system.
4. (Cancelled) An embodiment of system defined in 1 above containing, a hole provided at any place on the pressure side, to help escape of the entrapped air from the system.

5. (Cancelled) An embodiment of system defined in 1 above wherein, banjo bolt 7 containing pressure-regulating valve is replaced by a directional valve of any having an opening allowing to escape the entrapped air.

6. (New) A self-air bleeding fuel supply system for a diesel engine to automatically bleed entrapped air, the fuel supply system comprising:

a fuel tank (1);

a fuel feed pump (3) located outside the fuel tank and connected to the fuel tank (1) by means of a fuel pipe (2) such that fuel traveling to the fuel feed pump (3) flows freely by gravity thus priming the fuel feed pump automatically without any outside assistance;

a fuel filter (5) for receiving pressurized fuel from the feed pump (3) through a fuel pipe (4);

a fuel injection pump (8) for supplying fuel to an engine by means of fuel injectors (10) and which receives fuel from the fuel filter (5) by means of a fuel pipe (6);

a first banjo bolt (7) connecting the fuel injection pump (8) and the fuel pipe (6);

a second banjo bolt (11) containing a pressure regulating valve having a valve-seat with an opening to ensure automatic bleeding of entrapped air, the second banjo bolt (11) returning

excess fuel and entrapped air to the fuel tank through a fuel line (12).

7. (New) A self-air bleeding fuel supply system as claimed in claim 1 wherein the fuel supply system is a gravity primed fuel system and in which the fuel feed pump is positioned below the level of the fuel tank.

8. (New) A self-air bleeding fuel supply system as claimed in claim 1 wherein the pressure regulating valve having a valve seat with an opening is in the form of a micro-hole to allow the entrapped air to escape.

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